

# INTERNATIONAL SEARCH REPORT

International Application No

/EP 03/05777

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 D06M13/02 - D06M13/224 - D06M13/144 - D06M15/347 - D06M15/53 -  
D06M15/227 - D06M15/643 - A61L15/20 - A61L15/34

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D06M A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 22933 A (PROCTER & GAMBLE) 5 April 2001 (2001-04-05) page 16, line 6 -page 28, line 15 claims	1-6, 8-12,15
A	WO 97 05909 A (PROCTER & GAMBLE) 20 February 1997 (1997-02-20) page 4, line 14 -page 5, line 33 page 15, line 16 -page 31, line 17	1-15
A	US 5 106 656 A (NAKAOKA YOSHIHIKO ET AL) 21 April 1992 (1992-04-21) table 1	1-13
A	US 5 723 137 A (ENGELS THOMAS ET AL) 3 March 1998 (1998-03-03) examples	1-13,15
	--- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

22 September 2003

Date of mailing of the international search report

02/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Fiocco, M

# INTERNATIONAL SEARCH REPORT

Patent Application No  
PCT/EP 03/05777

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 1 564 363 A (DYNAMIT NOBEL AG) 10 April 1980 (1980-04-10) page 1, line 39 - line 44 -----	1-14

# INTERNATIONAL SEARCH REPORT

Final Application No  
PCT/EP 03/05777

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0122933	A	05-04-2001	US 6153209 A	28-11-2000
			AU 7595600 A	30-04-2001
			BR 0014369 A	25-06-2002
			CA 2385064 A1	05-04-2001
			CN 1402628 T	12-03-2003
			EP 1216020 A1	26-06-2002
			HU 0202709 A2	28-01-2003
			JP 2003510132 T	18-03-2003
			NO 20021529 A	28-05-2002
			TR 200200814 T2	22-07-2002
			WO 0122933 A1	05-04-2001
WO 9705909	A	20-02-1997	US 5609587 A	11-03-1997
			AT 218895 T	15-06-2002
			AU 6598296 A	05-03-1997
			BR 9609970 A	12-01-1999
			CA 2228043 A1	20-02-1997
			CN 1198681 A	11-11-1998
			CZ 9800258 A3	14-10-1998
			DE 69621820 D1	18-07-2002
			DE 69621820 T2	16-01-2003
			DK 863773 T3	15-07-2002
			EG 21364 A	30-09-2001
			EP 0863773 A2	16-09-1998
			ES 2177793 T3	16-12-2002
			HU 9802361 A2	28-01-1999
			JP 11510416 T	14-09-1999
			JP 3217793 B2	15-10-2001
			NO 980418 A	03-04-1998
			PT 863773 T	30-09-2002
			TR 9800144 T1	21-05-1998
			WO 9705909 A2	20-02-1997
			ZA 9606611 A	18-02-1997
US 5106656	A	21-04-1992	JP 1104884 A	21-04-1989
			JP 2036738 C	28-03-1996
			JP 7062313 B	05-07-1995
			KR 9101287 B1	28-02-1991
US 5723137	A	03-03-1998	DE 4337030 A1	04-05-1995
			WO 9511936 A2	04-05-1995
			EP 0725805 A1	14-08-1996
			JP 9504315 T	28-04-1997
GB 1564363	A	10-04-1980	DE 2555262 A1	16-06-1977
			BE 849165 A1	01-04-1977
			CH 627778 A5	29-01-1982
			FR 2334747 A1	08-07-1977
			IT 1069590 B	25-03-1985
			JP 1370020 C	25-03-1987
			JP 52071390 A	14-06-1977
			JP 61037319 B	22-08-1986
			NL 7613652 A , B,	13-06-1977